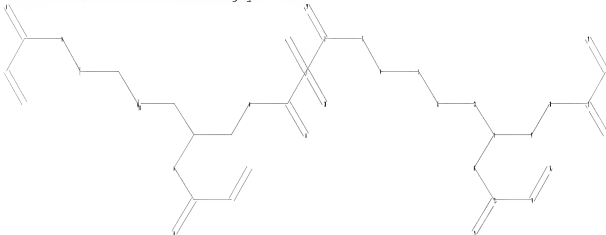


Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>
Uploading C:\Documents and Settings\mpepitone\My Documents\ChemDraw\10562239\gly4t.str



```
ring/chain nodes :  
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21  
ring/chain bonds :  
1-20 1-2 2-3 2-19 3-4 4-5 5-6 6-21 7-9 7-8 7-21 8-13 9-10 10-11 11-12  
11-17 12-18 13-14 13-15 14-16  
exact/norm bonds :  
1-20 1-2 4-5 7-9 7-21 11-12 12-18 13-14 14-16  
exact bonds :  
2-3 2-19 3-4 5-6 6-21 7-8 8-13 9-10 10-11 11-17 13-15
```

```
Match level :  
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS  
18:CLASS 19:CLASS 20:CLASS 21:CLASS
```

=> s ll sss full
FULL SEARCH INITIATED 11:52:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1041749 TO ITERATE

100.0% PROCESSED 1041749 ITERATIONS 154 ANSWERS
SEARCH TIME: 00.00.05

L2 154 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 187.80 188.24

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FILE LAST UPDATED: 18 Oct 2009 (20091018/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
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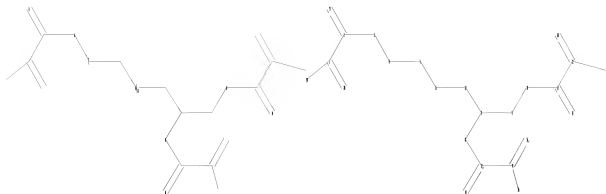
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=> s l2
L3 81 L2

=> d ibib abs hitstr 1-
YOU HAVE REQUESTED DATA FROM 81 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 81 CAPLUS COPYRIGHT 2009 ACS ON STN
ACCESSION NUMBER: 2009:1104840 CAPLUS
DOCUMENT NUMBER: 151:339333
TITLE: Polyfunctional acrylate polymer radiation-curable hard coatings with good transparency and scratch resistance and resin films coated with them
INVENTOR(S): Sakai, Masaru
PATENT ASSIGNEE(S): Sanyo Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16pp.
CODEN: JKXXAF



```

chain nodes :
24 25 26
ring/chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
chain bonds :
1-24 12-25 14-26
ring/chain bonds :
1-20 1-2 2-3 2-19 3-4 4-5 5-6 6-21 7-9 7-8 7-21 8-13 9-10 10-11 11-12
11-17 12-18 13-14 13-15 14-16
exact/norm bonds :
1-20 1-2 4-5 7-9 7-21 11-12 12-18 13-14 14-16
exact bonds :
1-24 2-3 2-19 3-4 5-6 6-21 7-8 8-13 9-10 10-11 11-17 12-25 13-15 14-26

```

```

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 20:CLASS 21:CLASS 24:CLASS 25:CLASS 26:CLASS

```

L4 STRUCTURE UPLOADED

```

=> s 14 sss full
FULL SEARCH INITIATED 11:55:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 981172 TO ITERATE

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100.0% PROCESSED 981172 ITERATIONS
SEARCH TIME: 00.00.05

23 ANSWERS

L5 23 SEA SSS FUL L4

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
185.88	832.46

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-66.42

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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

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=> s l5
L6 22 L5

=> d ibib abs hitstr l-
YOU HAVE REQUESTED DATA FROM 22 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2009 ACS ON STN

ACCESSION NUMBER: 2008:336313 CAPLUS

DOCUMENT NUMBER: 150:215015

TITLE: Synthesis of poly(sorbitan methacrylate) hydrogel by free-radical polymerization

AUTHOR(S): Jeong, Gwi-Taek; Lee, Kyoung-Min; Yang, Hee-Seung; Park, Seok-Hwan; Park, Jae-Hee; Sunwoo, Changshin; Ryu, Hwa-Won; Kim, Doman; Lee, Woo-Tae; Kim, Hae-Sung; Cha, Wol-Seog; Park, Don-Hee

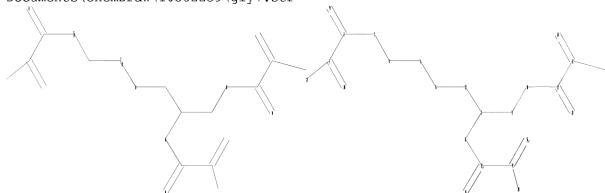
CORPORATE SOURCE: School of Biological Sciences and Technology, Chonnam National University, Gwangju, 500-757, S. Korea

SOURCE: Applied Biochemistry and Biotechnology (2007), 137-140, 935-946
CODEN: ABIBDL; ISSN: 0273-2289

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Documents and Settings\mpepitone\My
Documents\ChemDraw\10562239\gly7.str



```
chain nodes :
22 23 24
ring/chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
chain bonds :
1-22 12-23 14-24
ring/chain bonds :
1-20 1-2 2-3 2-19 3-4 4-5 5-6 6-21 7-9 7-8 7-21 8-13 9-10 10-11 11-12
11-17 12-18 13-14 13-15 14-16
exact/norm bonds :
1-20 1-2 4-5 7-9 7-21 11-12 12-18 13-14 14-16
exact bonds :
1-22 2-3 2-19 3-4 5-6 6-21 7-8 8-13 9-10 10-11 11-17 12-23 13-15 14-24
```

Match level :

```
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS
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L1 STRUCTURE UPLOADED

=> s ll sss full

FULL SEARCH INITIATED 12:58:23 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 981172 TO ITERATE

100.0% PROCESSED 981172 ITERATIONS
SEARCH TIME: 00.00.07

23 ANSWERS

L2 23 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

186.84

187.06

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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009

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=> s l2

L3 22 L2

=> d ibib abs hitstr 1-

YOU HAVE REQUESTED DATA FROM 22 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2009 ACS ON STN

ACCESSION NUMBER: 2008:336313 CAPLUS

DOCUMENT NUMBER: 150:215015

TITLE: Synthesis of poly(sorbitan methacrylate) hydrogel by free-radical polymerization

AUTHOR(S): Jeong, Gwi-Taek; Lee, Kyoung-Min; Yang, Hee-Seung; Park, Seok-Hwan; Park, Jae-Hee; Sunwoo, Changshin; Ryu, Hwa-Won; Kim, Doman; Lee, Woo-Tae; Kim, Hae-Sung; Cha, Wol-Seog; Park, Don-Hee

CORPORATE SOURCE: School of Biological Sciences and Technology, Chonnam National University, Gwangju, 500-757, S. Korea

SOURCE: Applied Biochemistry and Biotechnology (2007), 137-140, 935-946

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 OCT 2009 HIGHEST RN 1189088-37-6

DICTIONARY FILE UPDATES: 19 OCT 2009 HIGHEST RN 1189088-37-6

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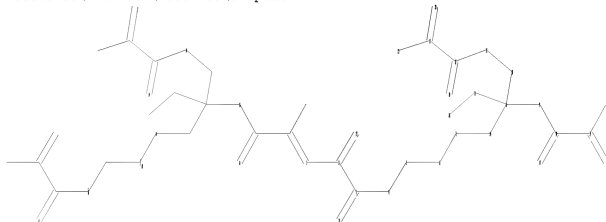
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<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

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ring/chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26

ring/chain bonds :

1-2 2-3 2-23 3-22 3-4 4-5 5-6 6-7 7-24 8-10 8-9 8-24 8-25 9-14 10-11
11-12 12-13 12-19 13-20 13-21 14-15 14-17 15-16 15-18 25-26

exact/norm bonds :

1-2 2-3 2-23 5-6 8-10 8-24 8-25 12-13 13-20 13-21 14-15 15-16 15-18
25-26

exact bonds :
3-22 3-4 4-5 6-7 7-24 8-9 9-14 10-11 11-12 12-19 14-17

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS
26:CLASS

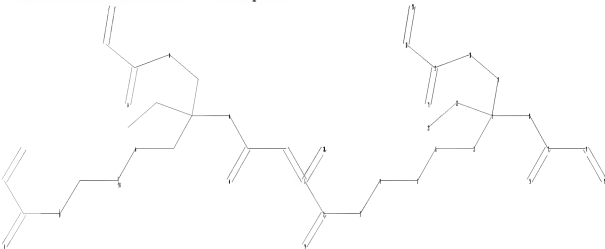
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FULL SCREEN SEARCH COMPLETED - 290342 TO ITERATE

100.0% PROCESSED 290342 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.04

L2 0 SEA SSS FUL L1

=>
Uploading C:\Documents and Settings\mpepitone\My
Documents\ChemDraw\10562239\tmopa.str



ring/chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
ring/chain bonds :
1-20 1-2 2-19 2-3 3-4 4-5 5-6 6-21 7-9 7-8 7-21 7-22 8-13 9-10 10-11
11-12 11-17 12-18 13-14 13-15 14-16 22-23

exact/norm bonds :
1-20 1-2 4-5 7-9 7-21 7-22 11-12 12-18 13-14 14-16 22-23
exact bonds :
2-19 2-3 3-4 5-6 6-21 7-8 8-13 9-10 10-11 11-17 13-15

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS

L3 STRUCTURE UPLOADED

=> s 13 sss full
FULL SEARCH INITIATED 14:36:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 295044 TO ITERATE

100.0% PROCESSED 295044 ITERATIONS 8 ANSWERS
SEARCH TIME: 00.00.04

L4 8 SEA SSS FUL L3

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 371.76 371.98

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=> s 14

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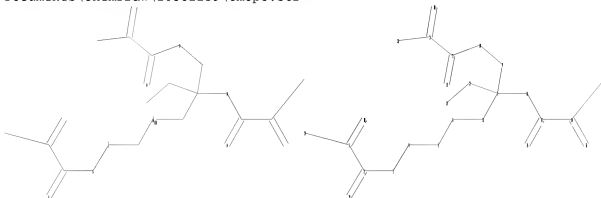
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=>

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chain nodes :

24 25 26

ring/chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

chain bonds :

1-24 12-26 14-25

ring/chain bonds :

1-20 1-2 2-19 2-3 3-4 4-5 5-6 6-21 7-9 7-8 7-21 7-22 8-13 9-10 10-11
11-12 11-17 12-18 13-14 13-15 14-16 22-23

exact/norm bonds :

1-20 1-2 4-5 7-9 7-21 7-22 11-12 12-18 13-14 14-16 22-23

exact bonds :

1-24 2-19 2-3 3-4 5-6 6-21 7-8 8-13 9-10 10-11 11-17 12-26 13-15 14-25

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS
26:CLASS

L6 STRUCTURE UPLOADED

=> s 16 sss full

FULL SEARCH INITIATED 14:38:48 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 290342 TO ITERATE

100.0% PROCESSED 290342 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.04

L7 0 SEA SSS FUL L6

=> log

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

185.88

593.20

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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0.00

-4.92

STN INTERNATIONAL LOGOFF AT 14:39:09 ON 20 OCT 2009